

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

---

Patent Application of:

Fuchun SHENG

Application No.: 10/582,864

Confirmation No.: 5972

Filed: June 04, 2009

Art Unit: 1733

For: A DEVICE FOR IMPLEMENTING A HIGH  
EFFICIENCY METHOD OF SCOOPING-UP  
SLAG FROM LIQUID IRON (*As amended*)

---

Examiner: T. M. MCGUTHRY  
BANKS

**EX PARTE QUAYLE AMENDMENT**

**November 18, 2011**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action dated July 19, 2011, the following remarks are respectfully submitted in connection with the above-identified application.

This reply includes:

**Amendments to the Specification** begin on page 2,

**Amendments to the Claims** beginning on page 3,

**Remarks** begin on page 5, and

**Attachment:** English Language Oath/Declaration;  
Petition for Extension of Time